



NORTHSEA

HELIDECK

& ACCESS SYSTEMS



HELIDECK AND ACCESS SYSTEMS



North Sea Offshore (NSO) is a proven and certified manufacturer of aluminium helidecks & access systems for offshore, marine and onshore rooftop applications. We provide complete EPCI services and our systems are compliant for worldwide delivery.

Our spacious, fully equipped production facility in Yantai, China, is at the current center of the global offshore and marine construction industry, lending us a competitive edge in balancing low cost production with high quality design and engineering.

Our experienced team provides a range of fully tested, class approved and certified high quality aluminum helideck and access system solutions specifically tailored to suit our customer's needs. We take pride in the quality of our products and after-sales service commitment.

QUALITY ASSURANCE

- ✓ Unique patented design
- ✓ Structured quality control system
- ✓ Team of skilled engineers and service personnel
- ✓ Fully equipped fabrication facility
- ✓ Third party certification

NSO HELIDECKS

Our patented helideck is accepted worldwide for safe and reliable take-off and landing. The lightweight aluminium pancake consists of an extruded deck plank and girder beam. This combined with an aluminium support structure reduces the total weight to half that of steel, ideal for weight sensitive projects. In addition, serrations ensure high friction coefficient on the landing deck which can be either painted green or left neutral. No welding is required during site installation as the helideck is entirely bolted together. All plates and extruded profiles are marine grade 6XXX or 5XXX series. The fasteners for aluminium connections are SS316 grade A40-70 or 80.



APPLICABLE PROJECTS



Offshore



Marine



Rooftop

COMMON HELIDECK TYPES



D-Value: 12-14m

EC 135 T2
Agusta A109
Dauphin AS365



D-Value: 14-20m

Sikorsky S76
Super Puma AS332L
EC 225
Agusta/Westland AW 139 & 189



D-Value: 20-26m

Sikorsky S92A
Sikorsky S61N
Mi-8/17
AW101

CLASSIFICATION SOCIETIES

DNV-GL

ABS

LR

BV

CCS

RMRS

DESIGN RULES, STANDARDS AND REGULATIONS

International:

- CAA UK – CAP 437
- IMO MODU CODE
- CAO, Annex 14
- SOLAS
- National Authorities

Norway:

- Norwegian CAA – BSL D5 – 1
- Norwegian Maritime Authority (NMA)
- NORSOK

Europe:

- European Standard – EN 1999 Eurocode 9
- CAA UK – CAP 437

U.S.:

- API RP – 2L
- U.S. Coast Guard

Brazil:

- Normam 27

China:

- CAAC



MAIN FEATURES

- ✓ Lightweight – 50% less than steel
- ✓ Quick delivery – Under 11 weeks
- ✓ High friction bare aluminium surface – above 0.65
- ✓ Worldwide delivery – Compliance according to any country or region specific regulations
- ✓ Cost effective – No paint, no landing net, no maintenance
- ✓ Fast assembly – 3 weeks for pancake, 4 weeks for pancake and truss
- ✓ Prefabricated modular construction – Best for quick onsite assembly
- ✓ Long lifespan – 30+ years
- ✓ 100% recyclable – Environmentally conscious

ACCESS SYSTEMS

Flexible aluminium access systems, customizable for the solutions you seek.



Walkways



Staircases



Bridges



Structures

OPTIONAL PACKAGES



Northsafe package - Passive fire extinguishing system. An ideal solution for meeting added safety value requirements and also for unattended platforms.



Winterization package - Heat tracing system. Preferred in cold climates for helideck and walkways. Certified for -20°C on helideck surface and -50°C on passage ways.



DiFFS package - Deck Integrated Fire Fighting System. Designed for optimal and active fire suppression for ultra safe helideck operations.

-
- ✓ Lightweight aluminium truss system
 - ✓ Lighting – floodlights, perimeter lights, status light, windsock and other accessories
 - ✓ HMS, VHF, NDB systems
 - ✓ Lifesaving appliance
 - ✓ Landing net
 - ✓ Piping for draining and fire-fighting
 - ✓ Platform and access way
 - ✓ Marking/painting according to rules
 - ✓ Assistance with authority approval
 - ✓ Design of aluminium or steel support structure

STANDARDIZED & CUSTOMIZED SOLUTIONS

Our helidecks are produced as a prefabricated kit in our factory to ensure a standardized quality. We provide worldwide delivery of components to be assembled on site in a client's shipyard all under the supervision of our experienced engineers to ensure safe and proper installation.

Furthermore, harsh and unique environments often require customized solutions to ensure safe helideck operations. NSO helidecks can be designed and fabricated to meet the demands of each project specifically. We can provide solutions that cover harsh arctic conditions using our winterization package, environments requiring enhanced safety conditions using our Northsafe package and meet any unique helideck or access system configuration for onshore applications.

All of our helidecks come with an after-sale warranty and our service engineers are ready to be on site at the customer's discretion. We can also provide product training for inspection, maintenance and work closely with customers on modifications depending on their requirements. Your needs, our mission!



CONTACT US

NSO HQ office

Building 7-116, No. 10 Jingshan Street Zhifu District,
Yantai City, Shandong Province, China 264000

Tel +86 535 6289 768 ext. 8016
info@northsea-offshore.com

NSO branch office

Klippan 3, 414 51 Gothenburg, Sweden

Tel +46 (0)768 80 86
kristian@xrusor.com

NSO rep office

22, Jalan Desa Serdang 4, Desa Serdang Industrial
Park, 43300 Seri Kembangan, Selangor, Malaysia

Tel +60 12 3197 668
fooman.june@gmail.com

www.northsea-offshore.com